



## RHIC Zone 10z2 Sweep Checklist

Team Leader (TL) \_\_\_\_\_ Sweeper#2 (S2) \_\_\_\_\_

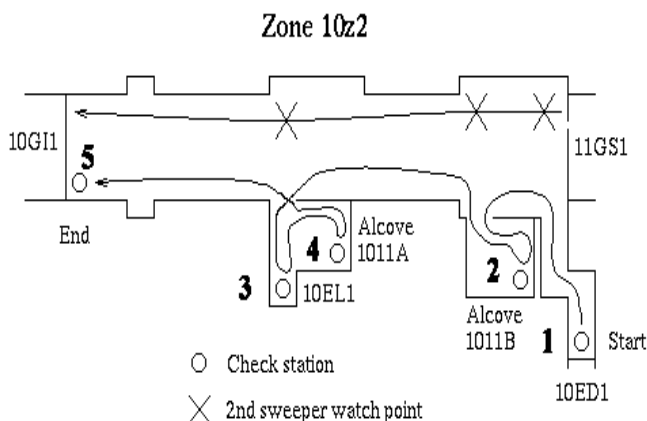
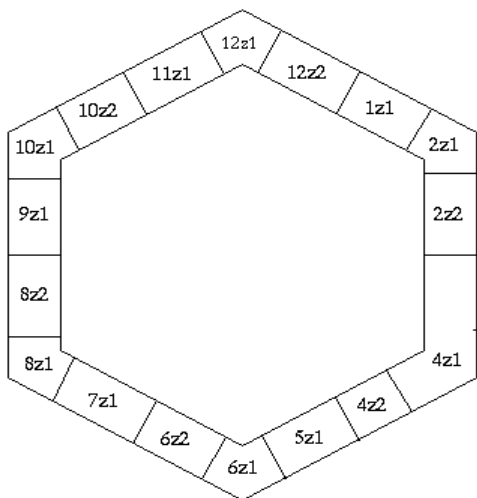
Time: \_\_\_\_\_ Date: \_\_\_\_\_

### Warning:

**IF** any workers are encountered during the sweep, **THEN** contact the OC to see if the sweep should be aborted. Workers shall leave the enclosure **WITH** the sweep team. **IF** the workers crash out of the enclosure **AND** do not exit with the sweep team, **THEN** the sweep shall be re-started.

### Prerequisites

- Two persons to perform the sweep,
- RHIC Zone 10z2 Sweep Checklist (two pages)
- Required Tools: at least one flashlight,
- Walkie-talkies
- All Doors closed THEN 10z2 set to Controlled Access
- Keys: Sweep Reset key S/R015, Controlled Access key CA014



### Note:

References to positions in the tunnel are made using the RHIC magnets. The identity of the local magnet can be determined by looking up at the “lower” cable tray and reading the magnet name on a blue (B) or yellow (Y) label. For example, the convention used is: I05Q17 (Inside, Q17) or O-05Q17 ( Outside, Q17).

References are for inside locations and are visible only by the Team Leader

### check

- \_\_\_\_ 1. Sweep team enters 10z2 after TL requests simultaneous release from MCR (10G11 is the recommended entry door).
- \_\_\_\_ 2. TL opens 10G11 gate by turning the CA014 key clockwise, in the Controlled Access key-switch while Operator in MCR presses simultaneous release for 10G11.

**CONTINUED ON REVERSE SIDE**

- \_\_\_ 3. Each sweeper passes through one 10GI1 door.
- \_\_\_ 4 Sweep team walks to 11GS1 at the far (11 o'clock) end of the 10z2 zone.
- \_\_\_ 5 S2 stands static watch at 11GS1.
- \_\_\_ 6 TL walks down labyrinth to 10ED1 door.
- \_\_\_ 7 TL resets gate 10ED1 using the S/R015 key in the RESET keyswitch .
- \_\_\_ 8 TL observes the yellow RESET lamp is lighted
- \_\_\_ 9 TL STARTS SWEEP by turning the S/R015 key CW in the SWEEP key-switch (10CS5)
- \_\_\_ 10 TL observes AREA SECURED lamp blink once.
- \_\_\_ 11 TL sweeps out the labyrinth and rejoins S2.
- \_\_\_ 12 TL stands static watch while S2 climbs yellow stairs and searches fan vents and the space above the cable trays. S2 verifies that the barricade is in place in front of the fan vent.
- \_\_\_ 13 S2 returns to the outside of the tunnel and stands static watch.
- \_\_\_ 14 TL goes to check station 10CS4 in the 1011B Alcove.
- \_\_\_ 15 TL sets second check station (10CS4) by turning S/R015 key in the SWEEP keyswitch.
- \_\_\_ 16 TL observes AREA SECURED lamp blink once.
- \_\_\_ 17 TL searches all the equipment racks, sweeps out the alcove, and rejoins S2.
- \_\_\_ 18 Sweep team sweeps Counter Clockwise (CCW) around RHIC.
- \_\_\_ 19 TL stops to check the Exhaust Fan Vent Barrier at I-10Q17.
- \_\_\_ 20 Sweep team sweeps Counter Clockwise (CCW) around RHIC.
- \_\_\_ 21 S2 stands static watch at the electrical services alcove opposite T-10Q13.
- \_\_\_ 22 TL walks to the ladder at 10EL1 in alcove 1003A.
- \_\_\_ 23 IF there is no mirror to verify no one is on the landing at the top of the ladder, THEN TL must climb the ladder to verify no one is hiding on the landing and to check that 10EL1 door is closed.
- \_\_\_ 24 TL resets gate 10EL1 using the S/R015 key in the RESET keyswitch at the bottom of the ladder.
- \_\_\_ 25 IF 10EL1 will not reset THEN TL climbs the ladder, closes 10EL1, then repeats step 24.
- \_\_\_ 26 TL observes RESET lamp lights after RESET.
- \_\_\_ 27 TL sets third check station (10CS2) by turning S/R015 key in the SWEEP keyswitch.
- \_\_\_ 28 TL observes AREA SECURED lamp blink once.
- \_\_\_ 29 TL searches all the equipment racks,
- \_\_\_ 30 TL goes to check station 10CS3 at the far corner of the alcove.
- \_\_\_ 31 TL sets fourth check station (10CS3) by turning S/R015 key in the SWEEP keyswitch.
- \_\_\_ 32 TL observes AREA SECURED lamp blink once.
- \_\_\_ 33 TL sweeps out the alcove, and rejoins S2.
- \_\_\_ 34 TL confirms fan vent barrier is in place on the far side of the tunnel (above S2) and barricade is in place in the ceiling above S2..
- \_\_\_ 35 Sweep team sweeps Counter Clockwise (CCW) around RHIC.
- \_\_\_ 36 Sweep Team stops to check the Exhaust Fan Vent Barriers at I-10DU7
- \_\_\_ 37 Sweep team sweeps Counter Clockwise (CCW) around RHIC.
- \_\_\_ 38 Sweep Team stops to check the electrical alcoves at I-10D5
- \_\_\_ 39 Sweep team sweeps Counter Clockwise (CCW) around RHIC.
- \_\_\_ 40 S2 checks fan vent barrier before the tunnel "vapor/gas barrier"
- \_\_\_ 41 Sweep team sweeps through vapor barrier and closes door behind them.
- \_\_\_ 42 S2 checks Fan Vent Barrier.
- \_\_\_ 43 Sweep team sweeps past beam dump kicker looking for personnel between PFNs.
- \_\_\_ 44 Sweep team sweeps Counter Clockwise (CCW) around RHIC to gate 10GI1.
- \_\_\_ 45 TL ENDS SWEEP at fifth check station (10CS1) by turning S/R015 key in the SWEEP keyswitch.
- \_\_\_ 46 TL observes AREA SECURED lamp lights yellow.
- \_\_\_ 47 TL contacts MCR for a simultaneous release for gate 10GI1
- \_\_\_ 48 Sweep team sweeps out zone 10z2 though gate their respective 10GI1 gates.
- \_\_\_ 49 TL resets 10GI1 gate using the S/R015 key in the RESET keyswitch on the 10GI1 gate box.
- \_\_\_ 50 Observe the yellow RESET lamp is lighted.
- \_\_\_ 51 TL observes the yellow AREA SECURED lamp is lighted.
- \_\_\_ 52 TL contacts MCR and confirms that gates are reset and 10z2 zone indicates sweep is good.

**Note:**

IF the AREA SECURED, lamp is not lit THEN contact MCR to verify the sweep is good.

- \_\_\_ 53 After verifying that all information is filled out completely, TL files the checklist in FY\_xx Sweep Log.